

- 3 (a) said first catalytic component comprises one or more
4 electrocatalyst(s) of formula Pt-Y, wherein Y is Mo, W or an
5 oxide of Mo or W; and
- 6 (b) said second catalytic component comprises one or more
7 electrocatalyst(s) of formula Pt-M, where M is a metal alloyed
8 with the platinum and is one or more metals selected from the
9 group ^{consists of} Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn;
10 and

11 wherein the first and second catalytic components are in ionic contact with
12 each other.

1 2. (Amended) An electrode structure according to claim 12
2 wherein X is selected from Ru, Mn, Co, Ni, and Rh.

1 3. (Amended) An electrode structure according to claim 1,
2 wherein M is selected from Ru or Rh.

1 5. (Amended) An electrode comprising an electrode structure
2 according to claim 1 wherein the electrocatalyst materials are present on one
3 side of a gas diffusion material.

1 6. (Amended) A catalysed membrane comprising an electrode
2 structure according to claim 1 wherein the electrocatalyst materials are
3 present on one side of a polymer electrolyte membrane material.

1 7. (Amended) An MEA comprising an electrode structure
2 according to claim 1.

1 8. (Amended) An electrode according to claim 5, wherein the two
2 catalyst materials are formulated into two separate layers.

1 9. (Amended) An electrode according to claim 5, wherein the two
2 catalyst materials are formulated into one mixed layer.

A2
(cont.)

1 10 (Amended) A fuel cell comprising an electrode structure,
2 comprising a first catalytic component and a second catalytic component,
3 characterised in that the first catalytic component comprises one or more
4 electrocatalyst(s) of formula Pt-Y where Y is Mo, W, or an oxide of Mo or
5 W, and the second catalytic component comprises one or more
6 electrocatalyst(s) of formula Pt-M, where M is a metal alloyed with the
7 platinum and is one or more metals selected from the group ^{consist of} Ru, Rh, Ti, Cr,
8 Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn, and wherein the first and second
9 catalytic components are in ionic contact with each other.

1 11. (Amended) Use of an electrode structure according to claim 1
2 in a fuel cell.

Please add the following new claims:

A3

1 12. (Newly Added) An electrode structure according to claim 1
2 wherein said first catalytic component comprises a third metal component X
3 which is alloyed with the platinum and which is one or more metals selected
4 from the group ^{consist of} Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn.

1 13. (Newly Added) A catalysed membrane according to claim 6
2 wherein the two catalyst materials are formulated into two separate layers.

1 14. (Newly Added) A catalysed membrane according to claim 6
2 wherein the two catalyst materials are formulated into one mixed layer.

1 15. (Newly Added) An MEA according to claim 7 wherein the two
2 catalyst materials are formulated into two separate layers.

Please cancel claim 16.

1 17. (Newly Added) An MEA according to claim 7 wherein the two
2 catalyst materials are formulated into one mixed layer.

A4

1 18. (Newly Added) A fuel cell according to claim 10 wherein said
2 first catalytic component comprises a third metal component X which is